



COMMONWEALTH OF VIRGINIA
Department of Mines, Minerals and Energy
Division of Mined Land Reclamation

Knox Creek TDS Wasteload Report 2017-Q3

10-01-2016 to 09-30-2017

Watershed Information

Stressor:	TDS	Watershed Acres:	48,069
Wasteload Allocation:	1,110,000	Watershed Permits:	12
EPA TMDL Approval Date:	3/27/2007	Watershed Outfalls:	135

Watershed Wasteload and Reduction Summary¹

	Pre-TMDL Wasteloads ²	Post-TMDL Wasteloads ³	Total
Wasteload Allocation Available ⁴	1,110,000	0	1,110,000
Wasteload ⁵	5,912,559	825,220	6,737,779
Wasteload Balance	-4,802,559	-825,220	-5,627,779
Wasteload Reduction Required ⁶	4,802,559	825,220	5,627,779
Percent Reduction Required ⁷	81.2 %	100.0 %	83.5 %

¹ Wasteload units are in kg/year unless otherwise noted.

² Pre-TMDL Wasteloads are calculated from outfalls existing before the EPA's approval of the TMDL.

³ Post-TMDL wasteloads are calculated from outfalls added after the EPA's approval of the TMDL.

⁴ The wasteload allocation available for pre-TMDL outfalls is the approved wasteload allocation for the watershed. The wasteload allocation available for post-TMDL outfalls is any remaining balance not used by pre-TMDL outfalls.

⁵ Wasteloads are calculated on a quarterly basis using reported monitoring data, which includes samples taken when an alternate effluent limitation (AEL) precipitation event is utilized.

⁶ In order to meet the wasteload allocation, all negative wasteload balance (i.e. the amount of wasteload exceeding the wasteload allocation) must be reduced.

⁷ The percent reduction required is used to assign wasteload reductions to permits when the watershed's wasteload exceeds the available wasteload allocation.

Permit Wasteload and Reduction Summary⁸

Permit Number	Pre-TMDL Wasteload ⁹	Pre-TMDL Reduction Required ¹⁰	Post-TMDL Wasteload ¹¹	Post-TMDL Reduction Required ¹²	Total Wasteload	Total Wasteload Reduction Required
1401358	13,678	11,110	0	0	13,678	11,110
1201630	0	0	0	0	0	0
1401647	0	0	113,167	113,167	113,167	113,167
1301714	1,554,180	1,262,405	0	0	1,554,180	1,262,405
1301712	0	0	0	0	0	0
1201724	0	0	441,906	441,906	441,906	441,906
1101784	2,601,133	2,112,806	0	0	2,601,133	2,112,806
1101823	13,337	10,833	0	0	13,337	10,833
1101981	147,096	119,480	0	0	147,096	119,480
1101995	1,576,712	1,280,706	270,147	270,147	1,846,859	1,550,854
1202083	6,423	5,217	0	0	6,423	5,217
1102169	0	0	0	0	0	0
Total	5,912,559	4,802,559	825,220	825,220	6,737,779	5,627,779

⁸ Wasteload units are in kg/year unless otherwise noted.

⁹ The wasteload calculated from outfalls existing before the EPA's approval of the TMDL.

¹⁰ Pre-TMDL reduction calculated by multiplying the pre-TMDL wasteload by the watershed's pre-TMDL percent reduction required.

¹¹ The wasteload

¹² Post-TMDL reduction calculated by multiplying the post-TMDL wasteload by the watershed's post-TMDL percent reduction required.